May 10, 2016

1:30 – 2:10	Ross Harder (Argonne National Laboratory) *Workshop Introduction and Goals*
2:10 – 2:50	Steven Leake (European Synchrotron Radiation Facility) *The Upgraded ID01 Beamline in Light of the Extremely Brilliant ESRF*
2:50 – 3:30	Nenad Markovic (Argonne National Laboratory) *APS Facilities and Future of Electrochemistry*
3:30 – 4:00	Break
4:00 – 4:40	Michael Pierce (Rochester Institute of Technology) *Coherent X-ray Scattering of Surfaces: From High-Z Systems in Vacuum to Real-world Environments at Interfaces*
4:40 – 5:20	Matthew Cherukara (Argonne National Laboratory) *Characterizing Evolving Processes through Coupled CDI and Molecular Dynamics Studies*
5:20	Adjourn

May 11, 2016

8:50 – 9:30	Andrew Ulvestad (Argonne National Laboratory) *Bragg Coherent Diffractive Imaging of Catalytically Active Nanoparticles during Ascorbic Acid Decomposition and CO_2 Reduction to CO*
9:30 – 10:10	Karl Ludwig (Boston University) *Co-GISAXS as a Tool to Investigate Surface Growth Dynamics*
10:10 – 10:40	Break
10:40 – 11:20	Divine Kumah (North Carolina State University) *Controlling the Functional Properties at Polar Oxide Interfaces*
11:20 – 12:00	Steve May (Drexel University) *Topotactic Transformations of Oxide Thin Films*
12:00 – 1:30	Lunch
1:30 – 2:10	Gyula Eres (Oak Ridge National Laboratory) *Dynamics of Materials Synthesis on the Elementary Building Block Level*
2:10 – 2:50	Christian Lavoie (IBM T.J. Watson Research Center) *Contacts in Advanced CMOS: History and Emerging Challenges*

2:50 – 3:20	Break
3:20 – 4:00	Mariana Bertoni (Arizona State University) *Understanding Polycrystalline Solar Absorbers:* In situ *X-ray Characterization of CIGS*
4:00 – 4:40	Paul Evans (University of Wisconsin) *Coherent X-ray Methods Enabling Control of Interfaces in Electronic Materials*
4:40 – 6:00	All participants, chaired by Brian Stephenson (Argonne National Laboratory) *Discussion of APS Upgrade Facilities Needed*
6:00	Adjourn